

Kinetic exchange at low charge transfer energies

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Abstract

Specific features of kinetic exchange at low charge transfer energies are analysed. It is shown that the exchange may be of ferromagnetic type. The examples of $\text{Cu}^{2+}\text{-Mn}^{2+}$ and $\text{Ni}^{2+}\text{-Mn}^{2+}$ doping pairs in perovskite-type crystals are considered. The theoretical predictions agree with the experimental data.

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